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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/680,739	10/07/2003	Vinicio Crudele	SIE-0093	5757

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EXAMINER
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ART UNIT	PAPER NUMBER
2614	

MAIL DATE	DELIVERY MODE
02/25/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/680,739	CRUDELE ET AL.	
	Examiner	Art Unit	
	Quoc D. Tran	2614	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *07 October 2003*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-19* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-19* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *07 October 2003* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 8-13 are rejected under 35 U.S.C. 102(e) as being anticipated by Hashim et al (6,464,541).

Consider claim 8, Hashim et al teach a telecommunications plug for use with twisted pair cable having N wires arranged in N/2 pairs (col. 4 lines 23-25), the telecommunications plug comprising: a first plug housing; a first plug board contained within the first plug housing (col. 4 lines 24-28), the first plug board including: a plurality of wire connection points, each for establishing electrical connection with one of said N wires; a plurality of contact pads (col. 4 lines 29-36); a plurality of circuit traces including primary circuit traces establishing electrical connection between the wire connection points and the contact pads (col. 4 lines 56-64); said circuit traces being positioned to establish first predefined near end crosstalk between at least two of said pairs, said first predefined near end crosstalk being at a first level of a first defined range (col. 4 lines 36-45).

Consider claims 9-13, Hashim et al teach the claimed features (col. 1 lines 24-39; col. 3 line 8 - col. 4 line 21).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

4. Claims 1-7 and 14-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hashim et al (6,464,541) in view of Autry et al (6,418,195).

Consider claims 1 and 14, Hashim et al teach a telecommunications test plugs (i.e., communication connectors) for use with twisted pair cable having N wires arranged in N/2 pairs (col. 4 lines 23-25), the telecommunications test plugs comprising: a first plug housing; a first plug board contained within the first plug housing (col. 4 lines 24-28), the first plug board including: a plurality of wire connection points, each for establishing electrical connection with one of said N wires; a plurality of contact pads (col. 4 lines 29-36); a plurality of circuit traces including primary circuit traces establishing electrical connection between the wire connection points and the contact pads (col. 4 lines 56-64); said circuit traces being positioned to establish first predefined near end crosstalk between at least two of said pairs, said first predefined near end crosstalk being at a first level of a first defined range (col. 4 lines 36-45);

Hashim et al did not disclose of a set of telecommunications test plugs where a second plug housing having similar configurations as the first plug. However, Autry et al teach a telecommunication testing apparatus having at least two test plugs structure (i.e., a set of test plugs) for connecting to diagnostic device (see Fig. 4 and 5).

Therefore, it would have been obvious to one of the ordinary skill in the art at the time the invention was made to incorporate the teaching of Autry et al into view of Hashim et al in order to provide multiple test plugs thereby provides simpler test connections to diagnostic devices and/or telecommunications interface.

Consider claim 2, Hashim et al teach wherein: said first defined range is the same as said second defined range (col. 4 lines 36-45; it should be noted that 2 similar plugs will have similar parameters).

Consider claims 3, 6, 15 and 18, Hashim et al teach wherein: said first defined range and said second defined range are defined by Category 5e and Category 6 (col. 1 lines 24-39).

Consider claims 4-5, 7, 16-17 and 19, Hashim et al teach the claimed features (col. 3 line 8 - col. 4 line 21).

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

6. Any response to this action should be mailed to:

Mail Stop ____(explanation, e.g., Amendment or After-final, etc.)
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Facsimile responses should be faxed to:

(571) 273-8300

Hand-delivered responses should be brought to:
Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Quoc Tran** whose telephone number is **(571) 272-7511**. The examiner can normally be reached on M, T, TH and Friday from 8:00 to 6:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Curtis Kuntz**, can be reached on **(571) 272-7499**.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the **Technology Center 2600** whose telephone number is **(571) 272-2600**.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

QUOC TRAN
PRIMARY EXAMINER
AU 2614
February 13, 2008